live fiber identifier

F6 Series

Description

The Wilcom family of Optical Fiber Identifiers are rugged, easy-to-use installation and maintenance instruments which identify live fibers by detecting the optical signals being transmitted through them. By utilizing non-destructive macro-bend detection (which does not damage or overstress the fiber), these units eliminate the need to disconnect fiber connectors for traffic verification. When used on jumper cables before they are disconnected insures vital services are not interrupted.

The Optical Fiber Identifier detects low frequency test tones at 270 Hz, 1 kHz and 2kHz for locating individual fibers within a cable. When traffic is present, the probe produces an audible tone and clearly indicates direction by illuminating a direction indicator LED.

Wilcom produces Optical Fiber Identifiers for an array of applications such as: basic installation and troubleshooting, display of relative core power, high-power CATV, bend insensitive fibers and an extended range model with multiple capabilities.

All Optical Fiber Identifiers include a carrying pouch containing three easy to use field interchangeable adapter heads for: 900 µm buffered fiber, ribbon or 250 µm coated fiber and 3mm jacketed jumpers.

Specifications:

	F6121A	F6222	F6222C	F6121R	F6225
Application	Basic	Standard	Cable TV	Ribbon Fiber	Ext. Range
Relative Core Power Reading (dB)	None	+5 to -40	+20 to -20	None	+24 to -58
Insertion Loss (dB) (250µm, 1310/1550)	< 0.6 / <3.0	< 0.6 / <3.0	< 0.6 / <3.0	<0.2 / <2.0	<0.16 / <1.1
900 µm & 3mm adapter 1310 /1550				<0.1 / <0.8	<0.1 / <0.37
Detector Sensitivity (dBm, 1550 nm)	-40				-45
Fiber Type	Singlemode, 8-10µm core, 250 µm clear Acrylate coating				
Spectral Response (nm)	850 to 1700				
Optical Test Tone Detection	270 Hz, 1kHz and 2kHz				
Minimum Fiber Slack	0.75" (19mm)				
Power	One 9V Alkaline Battery				
Battery Life	5,000 operations				
Operating Temperature	-20 to +50°C				
Storage Temperature	-40 to +60°C				
Humidity	0 to 90% non-condensing				
Dimensions (HWD)	7.75" x 1.25" x 1.0" (197 x 32 x 25mm)				
Weight	8.0 oz (227g)				
Warranty	1 year				

Ordering Information:

Description	Part Number
F6121A Basic OFI	30612131-03
F6222 Standard OFI with relative power display	30622216-03
F6222C Cable TV (high power) OFI	30622217-03
F6121R Ribbon fiber OFI (includes ribbon adapters)	30612197-02
F6225 Extended range OFI	30622510

Optional Accessories

Description	Part Number	Part Number (F6225 only)
2mm jacketed cable adapter	04419965-01-RC-1	04420688-01-RC-1
1.6mm jacketed cable adapter	04420715-01-RC-1	04420712-01-RC-1

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